

## NEW RECORDS OF *SIALIS* (MEGALOPTERA: SIALIDAE) FROM ARKANSAS AND OKLAHOMA<sup>1,2</sup>

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ABSTRACT: *Sialis joppa* is reported from Arkansas and Oklahoma and *S. vagans* from Oklahoma for the first time. These records extend the range of the former to approximately 95° longitude. Distribution records for other *Sialis* spp. in the two states are provided.

Recent collections of Megaloptera from Arkansas and Oklahoma have produced new state records for the genus *Sialis* Latrielle. *Sialis vagans* Ross was previously recorded from 20 states and four Canadian provinces (Flint 1964; Ross 1937; Stark and Lago 1980; Tarter 1988; Tarter *et al.* 1978), including Arkansas, Kansas and Mississippi. The species has now been collected from Latimer County in eastern Oklahoma. *Sialis joppa* Ross, a common species in the eastern United States (Flint 1964; Ross 1937; Tarter and Woodrum 1973; Tarter *et al.* 1978), is generally not known west of 90° longitude (Canterbury 1978). However, Tarter *et al.* (1978) reported the species from southeastern Louisiana at approximately 91° longitude. The author's collections of *S. joppa* from western Arkansas and eastern Oklahoma extends the known western distribution boundary for the species to approximately 95° longitude. Collection data for *S. joppa* and *S. vagans* from Arkansas and Oklahoma and additional alderfly distributional records for the two states are presented below.

### Specimens Examined

*Sialis joppa*. ARKANSAS: Crawford County, NE 1/4, Sec. 17, T 12 N, R 32 W. Ozark Natl. For., 16 April 1988, D.E. Bowles; 1 male, 3 females. Montgomery County, Ouachita Natl. For., near Little Missouri Falls, 9 April 1988, D.E. Bowles; 1 female. OKLAHOMA: Latimer County, Robbers Cave St. Pk., Rough Canyon, 3 April 1988, D.E. Bowles; 3 males, 4 females. *Sialis vagans*. OKLAHOMA: Latimer County, 6 mi. SW of Red Oak, 11-24 April 1988, Karl Stephan; 4 males, 3 females.

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## Additional Records Of Alderflies From Arkansas And Oklahoma

Records are based on specimens in the University of Arkansas Insect Collection as well as those in the literature (Canterbury 1978; Flint 1964; Stark and Lago 1980; Tarter *et al.* 1978).

- S. hasta* Ross. ARKANSAS: Garland, Washington, Yell Counties; April, May, July.  
*S. infumata* Newman. ARKANSAS: Garland, Pike, Washington Counties; April-May.  
OKLAHOMA: Pittsburg County; April.  
*S. itasca* Ross. ARKANSAS: Craighead County; Collection data not recorded. OKLAHOMA: Collection data not recorded.  
*S. mohri* Ross. ARKANSAS: Montgomery, Pike, Washington Counties; March-April, May.  
OKLAHOMA: Payne County; April.  
*S. vagans* Ross. ARKANSAS: Green, Johnson Counties; March-May.

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